Iowa Department of Natural Resources
Final Title V Operating Permit

Name of Permitted Facility: Allsteel Muscatine Component Plant
Facility Location: Highway 61 North
Muscatine, Iowa 52761

Air Quality Operating Permit Number: 03-TV-032
Expiration Date: 11/11/08

EIQ Number: 92-2535
Facility File Number: 70-01-050

Responsible Official

Name:	**Mr. Tim Summers**
Title:	**Group Vice President**
Mailing Address:	**Highway 61 North**
	Muscatine, Iowa 52761
Phone #:	**563-262-7777**

Permit Contact Person for the Facility

Name:	**Mr. Don McCullough**
Title:	**Safety & Environmental Manager**
Mailing Address:	**Highway 61 North**
	Muscatine, Iowa 52761
Phone #:	**563-262-7785**

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

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Douglas A. Campbell, Supervisor of Air Operating Permits Section **Date**

Table of Contents

Abbreviations

acfm..... actual cubic feet per minute
CFR ..... Code of Federal Regulation
^{o}F ..... degrees Fahrenheit
EIQ ..... emissions inventory questionnaire
gr./dscf..... grains per dry standard cubic foot
gr./100 cf ..... grains per one hundred cubic feet
IAC..... Iowa Administrative Code
IDNR..... Iowa Department of Natural Resources
MVAC..... motor vehicle air conditioner
NSPS ..... new source performance standard
ppmv..... parts per million by volume
lb./hr ..... pounds per hour
lb./MMBtu..... pounds per million British thermal units
scfm..... standard cubic feet per minute
TPY ..... Tons per year
USEPA ..... United States Environmental Protection Agency
VHAP..... volatile hazardous air pollutant

Pollutants
PM..... particulate matter
PM_{10} ..... particulate matter ten microns or less in diameter
SO_2 ..... sulfur dioxide
NO_x..... nitrogen oxides
VOC ..... volatile organic compound
CO ..... carbon monoxide
HAP..... hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Allsteel Muscatine Component Plant
Permit Number: 03-TV-032

Facility Description: Wood Office Furniture (SIC 2521)
Office Furniture, Except Wood (SIC 2522)

Equipment List

Emission Point Number	Associated Emission Unit Number(s)	Associated Emission Unit Description
CFS1EP1	CFS1EU1	System 1 Paint Booth
CFS1EP2	CFS1EU2	System 1 Paint Booth
CFS1EP3	CFS1EU1	FS1 Cure Oven
CFS1EP4	CFS1EU4	FS1 Washer Dry Off Oven
CFS1EP5	CFS1EU5	FS1 Washer Stage 1
CFS1EP6	CFS1EU6	FS1 Washer Stage 3
CFS2EP1	CFS2EU1	System 2 Paint Booth
CFS2EP2	CFS2EU2	System 2 Paint Booth
CFS2EP3	CFS2EU1	FS2 Paint Curing Oven
CFS2EP4	CFS2EU4	FS2 Washer Dry Off Oven
CFS2EP5	CFS2EU5	FS2 Washer Stage 1
CFS2EP6	CFS2EU6	FS2 Washer Stage 5
CFS3EP1	CFS3EU1	System 3 Paint Booth
CFS3EP1	CFS3EU5	Paint Booth Air Heater
CFS3EP2	CFS3EU2	System 3 Paint Booth
CFS3EP2	CFS3EU6	Paint Booth Air Heater
CFS3EP4	CFS3EU4	Washer Stage 1
CFS3EP5	CFS3EU4	Washer Stage 3
CFS3EP6	CFS3EU3	Dry Off/Cure Oven
CFS3EP7	CFS3EU3	Dry Off/Cure Oven
CFS3EP8	CFS3EU3	Dry Off/Cure Oven
CFS3EP9	CFS3EU3	Dry Off/Cure Oven
CFS3EP10	CFS3EU8	Flash Tunnel
CFS3EP11	CFS3EU7	Paint Room
CPCEP1	CPCEU1	Component Powder Coat Cure Oven
CPCEP2	CPCEU2	Powder Coat Washer Stage 1
CPCEP3	CPCEU3	Powder Coat Washer Stage 3

Emission Point Number	Associated Emission Unit Number(s)	Associated Emission Unit Description
CPREP1	CPREU1	Paint Prep & Cleaning Fugitives
CTCAEP1	CTCAEU1	Fugitive Emissions – Top Cleaning Area
CTPFTPEP1	CTPFTPEU1	Fugitive Emissions from Touch Up Paint
PMPBEP1	PMPBEU1	Fugitive Emissions from Mx Spray (Panel)
CWSDCEP1	CWSDCEU1	PM/PM_{10} Emissions from Work Surface
CWSDCEP2	CWSDCEU2	PM/PM_{10} Emissions from Work Surface
ITGEN	ITGEN	IT Emergency Generator
PPCEP1	PPCEU1	Powder Coat Line Curing Oven
PPCEP2	PPCEU2	Powder Coat Washer Stage 1
PPCEP3	PPCEU3	Powder Coat Washer Stage 5
PPCEP4	PPCEU4	Powder Coat Washer Dry Off Tunnel

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
MiscHeat	Miscellaneous Space Heating*
PPCEU2a	Powder Coat Washer Stage 1 Heat
PPCEU3a	Powder Coat Washer Stage 3 Heat
CPCEU2a	Component Powder Coat Water Heater
CPWS1EU1a	1st Stage Washer Heat (FS1)
CPWS2EU1a	1st Stage Washer Heat (FS2)
CPWS2EU2a	3rd Stage Washer Heat (FS2)
ITGENEP2	Small Diesel Storage Tank
CTPFEU1	Fugitive Emissions from Welding (Comp)
GLEU	Glue Line

* Consists of fifteen space heaters: two rated at 0.24 MMBtu/hr, seven rated at 4.00 MMBtu/hr, and six rated at 0.80 MMBtu/hr.

II. Plant-Wide Conditions

Facility Name: Allsteel Muscatine Component Plant
Permit Number: 03-TV-032

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: 5 years
Commencing on: November 12, 2003
Ending on: November 11, 2008

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Emission Limits
Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 40% opacity
Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter (state enforceable only)[1]:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a" (as revised 7/21/1999)

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[1] This is the current language in the Iowa Administrative Code (IAC). This version of the rule is awaiting EPA approval to become part of Iowa's State Implementation Plan (SIP). When EPA approves this rule, it will replace the older version and will be considered federally enforceable.

Particulate Matter (federally enforceable)[2]:
The emission of particulate matter from any process shall not exceed the amount determined from Table I, except as provided in 567 — 21.2(455B), 23.1(455B), 23.4(455B) and 567 — Chapter 24. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed.
Authority for Requirement: 567 IAC 23.3(2)"a" (prior to 7/21/1999)

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c"

Compliance Plan

The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.

Unless otherwise noted in Section III of this permit, Allsteel Muscatine Component Plant is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Allsteel Muscatine Component Plant shall comply with such requirements in a timely manner.
Authority for Requirement: 567 IAC 22.108(15)

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[2] This is the current language in the Iowa SIP, and is enforceable by EPA.

Section 112(j) of the Clean Air Act (MACT Hammer)

On May 6, 2002, Allsteel Muscatine Component Plant submitted a Part 1 MACT application to IDNR, indicating that the facility may be subject to the MACT standard for Metal Furniture Surface Coating, 40 CFR 63 Subpart RRRR. The final rule for this MACT standard was published in the May 23, 2003 Federal Register. Therefore, a Part 2 MACT application to DNR is not required.

The compliance date for Subpart RRRR for existing affected sources is May 23, 2006. For a new or reconstructed affected source, the compliance date is as follows:

- If the initial startup of your new or reconstructed affected source is before May 23, 2003, the compliance date is May 23, 2003.
- If the initial startup of your new or reconstructed affected source occurs after May 23, 2003, the compliance date is the date of initial startup of your affected source.

Allsteel Muscatine Component Plant has indicated to the Department that the facility will demonstrate compliance with 40 CFR 63 Subpart RRR using compliant materials. Excerpts of the Subpart RRRR requirements are included in Section V of this permit.

III. Emission Point-Specific Conditions

Facility Name: Allsteel Muscatine Component Plant
Permit Number: **03-TV-032**

Emission Point ID Number: CFS1EP1

Associated Equipment

Associated Emission Unit ID Numbers: CFS1EU1
Emissions Control Equipment ID Number: FS1CE1
Emissions Control Equipment Description: Dual Baffle and Panel Filter System

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Applicable Requirements

Emission Unit vented through this Emission Point: CFS1EU1
Emission Unit Description: System 1 Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 43,750 gallons/year

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.9 lbs./hr., 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1

Pollutant: Particulate Matter
Emission Limit(s): 1.9 lbs./hr.
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 61 tons/year
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.9 kg VOC/liter of coating solids applied
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1
40 CFR 60.312(a) – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:
The hours of operation of the spray operation administered under DNR permit 92-A-213-S1 shall not exceed 20 hours per day and 7,300 hours per twelve-month period rolled monthly.

Process throughput:
The twelve-month period rolled monthly use of paint on the spray operation administered under DNR permit 92-A-213-S1 shall not exceed 43,750 gallons.

Reporting & Record keeping:
The permit holder shall maintain records on the premises to show the items listed below. Records shall be maintained for five (5) years and be available for inspection upon request by representatives of the DNR.

1. The twelve-month period rolled monthly use of paint in the spray operation.
2. The daily and twelve-month period rolled monthly hours of operation of the spray operation.

   Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1

3. The owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall conduct an initial performance test as required under Sec. 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in 40 CFR 313. *40 CFR 313(b)*

4. The owner or operator shall determine the monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G) using the procedures in 40 CFR 60.313(c). These procedures are included in this Title V Operating Permit as Appendix A. *Note: Each monthly calculation is considered a performance test. 40 CFR 313(c)*

5. Following the initial performance test, the owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the limit specified under Sec. 60.312. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. *40 CFR 315(b)*

6. Each owner or operator subject to the provisions of 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture shall maintain at the source, for a period of at least 5 years, records of all data and calculations used to determine VOC emissions from each affected facility. *40 CFR 60.135(d)*

   Authority for Requirement: 40 CFR 60 Subpart EE - Surface Coating of Metal Furniture
   567 IAC 23.1(2)"gg"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 22,500
Stack Temperature (^{o}F): Ambient
Vertical, Unobstructed Discharge Required: Yes ☐ No ☒
Authority for Requirement: Iowa DNR Construction Permit 92-A-213-S1

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Spray Booth Filter Agency Operation & Maintenance Plan

Weekly

Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and be available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS1EP2

Associated Equipment

Associated Emission Unit ID Numbers: CFS1EU2
Emissions Control Equipment ID Number: FS1CE2
Emissions Control Equipment Description: Dual Baffle and Panel Filter System

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Applicable Requirements

Emission Unit vented through this Emission Point: CFS1EU2
Emission Unit Description: System 1 Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 43,750 gallons/year

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.9 lbs./hr., 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1

Pollutant: Particulate Matter
Emission Limit(s): 1.9 lbs./hr.
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 61 tons/year
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.9 kg VOC/liter of coating solids applied
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1
40 CFR 60.312(a) – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:
The hours of operation of the spray operation administered under DNR permit 92-A-214-S1 shall not exceed 20 hours per day and 7,300 hours per twelve-month period rolled monthly.

Process throughput:
The twelve-month period rolled monthly use of paint on the spray operation administered under DNR permit 92-A-214-S1 shall not exceed 43,750 gallons.

Reporting & Record keeping:
The permit holder shall maintain records on the premises to show the items listed below. Records shall be maintained for five (5) years and be available for inspection upon request by representatives of the DNR.

1. The twelve-month period rolled monthly use of paint in the spray operation.
2. The daily and twelve-month period rolled monthly hours of operation of the spray operation.

   Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1

3. The owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall conduct an initial performance test as required under Sec. 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in 40 CFR 313. *40 CFR 313(b)*

4. The owner or operator shall determine the monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G) using the procedures in 40 CFR 60.313(c). These procedures are included in this Title V Operating Permit as Appendix A. *Note: Each monthly calculation is considered a performance test. 40 CFR 313(c)*

5. Following the initial performance test, the owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the limit specified

under Sec. 60.312. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. *40 CFR 315(b)*

6. Each owner or operator subject to the provisions of 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture shall maintain at the source, for a period of at least 5 years, records of all data and calculations used to determine VOC emissions from each affected facility. *40 CFR 60.135(d)*

   Authority for Requirement: 40 CFR 60 Subpart EE - Surface Coating of Metal Furniture
   567 IAC 23.1(2)"gg"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 22,500
Stack Temperature (^{o}F): Ambient
Vertical, Unobstructed Discharge Required: Yes ☐ No ☒
Authority for Requirement: Iowa DNR Construction Permit 92-A-214-S1

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Spray Booth Filter Agency Operation & Maintenance Plan

Weekly

Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and be available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS1EP3

Associated Equipment

Associated Emission Unit ID Numbers: CFS1EU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS1EU3
Emission Unit Description: FS1 Cure Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.00276 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.0 lb./hr.
Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1
567 IAC 23.3(3)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:

This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:

The hours of operation of the oven shall not exceed 20 hours per day and 7,300 hours per twelve-month period, rolled monthly.

Reporting & Record keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Maintain a record of the number of hours the oven is used on a daily basis.
2. Maintain a monthly rolling total for the number of hours used.

Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 2,500
Stack Temperature (^{o}F): 249
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 96-A-146-S1

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS1EP4

Associated Equipment

Associated Emission Unit ID Numbers: CFS1EU4
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS1EU4
Emission Unit Description: FS1 Washer Dry Off Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.003888 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 00-A-209
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.0 lb./hr.
Authority for Requirement: Iowa DNR Construction Permit 00-A-209

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 00-A-209
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 00-A-209
567 IAC 23.3(3)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:

This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 00-A-209
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:

The hours of operation of the oven shall not exceed 20 hours per day and 7,300 hours per twelve-month period, rolled monthly.

Reporting & Record keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Maintain a record of the number of hours the oven is used on a daily basis.
2. Maintain a monthly rolling total for the number of hours used.

Authority for Requirement: Iowa DNR Construction Permit 00-A-209

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 2,500
Stack Temperature (^{o}F): 249
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 00-A-209

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS1EP5

Associated Equipment

Associated Emission Unit ID Numbers: CFS1EU5
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS1EU5
Emission Unit Description: FS1 Washer Stage 1
Raw Material/Fuel: Phosphatizer
Rated Capacity: 48,360 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-216

Pollutant: PM_{10}
Emission Limit(s): 1.33 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-216

Pollutant: Particulate Matter
Emission Limit(s): 1.33 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-216

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-216
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 37.6
Stack Diameter (inches): 18
Stack Exhaust Flow Rate (scfm): 3,100
Stack Temperature (^{o}F): 140
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-216

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS1EP6

Associated Equipment

Associated Emission Unit ID Numbers: CFS1EU6
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS1EU6
Emission Unit Description: FS1 Washer Stage 3
Raw Material/Fuel: Water
Rated Capacity: 14,400 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-217

Pollutant: PM_{10}
Emission Limit(s): 1.33 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-217

Pollutant: Particulate Matter
Emission Limit(s): 1.33 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-217

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-217
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 316
Stack Diameter (inches): 18
Stack Exhaust Flow Rate (scfm): 3,100
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-217

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS2EP1

Associated Equipment

Associated Emission Unit ID Numbers: CFS2EU1
Emissions Control Equipment ID Number: FS2CE1
Emissions Control Equipment Description: Dual Baffle and Panel Filter System

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Applicable Requirements

Emission Unit vented through this Emission Point: CFS2EU1
Emission Unit Description: System 2 Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 43,750 gallons/year

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: Iowa DNR Construction Permit 96-A-144
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.9 lbs./hr., 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 96-A-144

Pollutant: Particulate Matter
Emission Limit(s): 1.9 lbs./hr.
Authority for Requirement: Iowa DNR Construction Permit 96-A-144

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 96-A-144
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 61 tons/year
Authority for Requirement: Iowa DNR Construction Permit 96-A-144

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.9 kg VOC/liter of coating solids applied
Authority for Requirement: Iowa DNR Construction Permit 96-A-144
40 CFR 60.312(a) – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 96-A-144
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:
The hours of operation of the spray operation administered under DNR permit 96-A-144 shall not exceed 20 hours per day and 7,300 hours per twelve-month period rolled monthly.

Process throughput:
The twelve-month period rolled monthly use of paint on the spray operation administered under DNR permit 96-A-144 shall not exceed 43,750 gallons.

Reporting & Record keeping:
The permit holder shall maintain records on the premises to show the items listed below. Records shall be maintained for five (5) years and be available for inspection upon request by representatives of the DNR.

1. The twelve-month period rolled monthly use of paint in the spray operation.
2. The daily and twelve-month period rolled monthly hours of operation of the spray operation.

   Authority for Requirement: Iowa DNR Construction Permit 96-A-144

3. The owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall conduct an initial performance test as required under Sec. 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in 40 CFR 313. *40 CFR 313(b)*

4. The owner or operator shall determine the monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G) using the procedures in 40 CFR 60.313(c). These procedures are included in this Title V Operating Permit as Appendix A. *Note: Each monthly calculation is considered a performance test. 40 CFR 313(c)*

5. Following the initial performance test, the owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the limit specified

under Sec. 60.312. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. *40 CFR 315(b)*

6. Each owner or operator subject to the provisions of 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture shall maintain at the source, for a period of at least 5 years, records of all data and calculations used to determine VOC emissions from each affected facility. *40 CFR 60.135(d)*

   Authority for Requirement: 40 CFR 60 Subpart EE - Surface Coating of Metal Furniture
   567 IAC 23.1(2)"gg"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 22,500
Stack Temperature (^{o}F): Ambient
Vertical, Unobstructed Discharge Required: Yes ☐ No ☒
Authority for Requirement: Iowa DNR Construction Permit 96-A-144

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Spray Booth Filter Agency Operation & Maintenance Plan

Weekly

Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and be available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS2EP2

Associated Equipment

Associated Emission Unit ID Numbers: CFS2EU2
Emissions Control Equipment ID Number: FS2CE2
Emissions Control Equipment Description: Dual Baffle and Panel Filter System

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Applicable Requirements

Emission Unit vented through this Emission Point: CFS2EU2
Emission Unit Description: System 2 Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 43,750 gallons/year

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: Iowa DNR Construction Permit 96-A-145
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.9 lbs./hr., 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 96-A-145

Pollutant: Particulate Matter
Emission Limit(s): 1.9 lbs./hr.
Authority for Requirement: Iowa DNR Construction Permit 96-A-145

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 96-A-145
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 61 tons/year
Authority for Requirement: Iowa DNR Construction Permit 96-A-145

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.9 kg VOC/liter of coating solids applied
Authority for Requirement: Iowa DNR Construction Permit 96-A-145
40 CFR 60.312(a) – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 96-A-145
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:
The hours of operation of the spray operation administered under DNR permit 96-A-145 shall not exceed 20 hours per day and 7,300 hours per twelve-month period rolled monthly.

Process throughput:
The twelve-month period rolled monthly use of paint on the spray operation administered under DNR permit 96-A-145 shall not exceed 43,750 gallons.

Reporting & Record keeping:
The permit holder shall maintain records on the premises to show the items listed below. Records shall be maintained for five (5) years and be available for inspection upon request by representatives of the DNR.

1. The twelve-month period rolled monthly use of paint in the spray operation.
2. The daily and twelve-month period rolled monthly hours of operation of the spray operation.

   Authority for Requirement: Iowa DNR Construction Permit 96-A-145

3. The owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall conduct an initial performance test as required under Sec. 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in 40 CFR 313. *40 CFR 313(b)*

4. The owner or operator shall determine the monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G) using the procedures in 40 CFR 60.313(c). These procedures are included in this Title V Operating Permit as Appendix A. *Note: Each monthly calculation is considered a performance test. 40 CFR 313(c)*

5. Following the initial performance test, the owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the limit specified

under Sec. 60.312. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. *40 CFR 315(b)*

6. Each owner or operator subject to the provisions of 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture shall maintain at the source, for a period of at least 5 years, records of all data and calculations used to determine VOC emissions from each affected facility. *40 CFR 60.135(d)*

   Authority for Requirement: 40 CFR 60 Subpart EE - Surface Coating of Metal Furniture
   567 IAC 23.1(2)"gg"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 22,500
Stack Temperature (^{o}F): Ambient
Vertical, Unobstructed Discharge Required: Yes ☐ No ☒
Authority for Requirement: Iowa DNR Construction Permit 96-A-145

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Spray Booth Filter Agency Operation & Maintenance Plan

Weekly

Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and be available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS2EP3

Associated Equipment

Associated Emission Unit ID Numbers: CFS2EU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS2EU3
Emission Unit Description: FS2 Paint Curing Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.0032 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.0 lb./hr.
Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1
567 IAC 23.3(3)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:

This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:

The hours of operation of the oven shall not exceed 20 hours per day and 7,300 hours per twelve-month period, rolled monthly.

Reporting & Record keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Maintain a record of the number of hours the oven is used on a daily basis.
2. Maintain a monthly rolling total for the number of hours used.

Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 5,000
Stack Temperature (^{o}F): 269
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 96-A-147-S1

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS2EP4

Associated Equipment

Associated Emission Unit ID Numbers: CFS2EU4
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS2EU4
Emission Unit Description: FS2 Washer Dry Off Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.00288 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 00-A-210
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 1.0 lb./hr.
Authority for Requirement: Iowa DNR Construction Permit 00-A-210

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 00-A-210
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 00-A-210
567 IAC 23.3(3)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:

This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: Iowa DNR Construction Permit 00-A-210
40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Hours of operation:

The hours of operation of the oven shall not exceed 20 hours per day and 7,300 hours per twelve-month period, rolled monthly.

Reporting & Record keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Maintain a record of the number of hours the oven is used on a daily basis.
2. Maintain a monthly rolling total for the number of hours used.

Authority for Requirement: Iowa DNR Construction Permit 00-A-210

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 37
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 5,000
Stack Temperature (^{o}F): 269
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 00-A-210

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS2EP5

Associated Equipment

Associated Emission Unit ID Numbers: CFS2EU5
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS2EU5
Emission Unit Description: FS2 Washer Stage 1
Raw Material/Fuel: Phosphatizer
Rated Capacity: 64,320 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-218

Pollutant: PM_{10}
Emission Limit(s): 1.5 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-218

Pollutant: Particulate Matter
Emission Limit(s): 1.5 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-218

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-218
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 35.4
Stack Diameter (inches): 24
Stack Exhaust Flow Rate (scfm): 1,800
Stack Temperature (^{o}F): 140
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-218

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS2EP6

Associated Equipment

Associated Emission Unit ID Numbers: CFS2EU6
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS2EU6
Emission Unit Description: FS2 Washer Stage 5
Raw Material/Fuel: Water
Rated Capacity: 36,000 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-219

Pollutant: PM_{10}
Emission Limit(s): 0.75 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-219

Pollutant: Particulate Matter
Emission Limit(s): 0.75 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-219

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-219
567 IAC 23.3(2)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 35.3
Stack Diameter (inches): 24
Stack Exhaust Flow Rate (scfm): 1,800
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-219

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP1

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU1 and CFSCEU5
Emissions Control Equipment ID Number: FS3CE1
Emissions Control Equipment Description: Dual Baffle and Panel Filter System

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Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU1
Emission Unit Description: System 3 Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 8.72 gallons/hr.

Emission Unit vented through this Emission Point: CFS3EU5
Emission Unit Description: Paint Booth Air Heater
Raw Material/Fuel: Natural Gas
Rated Capacity: 2.6 MMBtu/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr./scf
Authority for Requirement: 567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.9 kg VOC/liter of coating solids applied
Authority for Requirement: 40 CFR 60.312(a) – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Reporting & Record keeping:
The permit holder shall maintain records on the premises to show the items listed below. Records shall be maintained for five (5) years and be available for inspection upon request by representatives of the DNR.

1. The owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall conduct an initial performance test as required under Sec. 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in 40 CFR 313. *40 CFR 313(b)*

2. The owner or operator shall determine the monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G) using the procedures in 40 CFR 60.313(c). These procedures are included in this Title V Operating Permit as Appendix A. *Note: Each monthly calculation is considered a performance test. 40 CFR 313(c)*

3. Following the initial performance test, the owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the limit specified under Sec. 60.312. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. *40 CFR 315(b)*

4. Each owner or operator subject to the provisions of 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture shall maintain at the source, for a period of at least 5 years, records of all data and calculations used to determine VOC emissions from each affected facility. *40 CFR 60.135(d)*

   Authority for Requirement: 40 CFR 60 Subpart EE - Surface Coating of Metal Furniture
   567 IAC 23.1(2)"gg"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Spray Booth Filter Agency Operation & Maintenance Plan

Weekly

Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and be available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP2

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU2 and CFSCEU6
Emissions Control Equipment ID Number: FS3CE2
Emissions Control Equipment Description: Dual Baffle and Panel Filter System

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Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU2
Emission Unit Description: System 3 Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 8.72 gallons/hr.

Emission Unit vented through this Emission Point: CFS3EU6
Emission Unit Description: Paint Booth Air Heater
Raw Material/Fuel: Natural Gas
Rated Capacity: 6.4 MMBtu/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr./scf
Authority for Requirement: 567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.9 kg VOC/liter of coating solids applied
Authority for Requirement: 40 CFR 60.312(a) – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Reporting & Record keeping:
The permit holder shall maintain records on the premises to show the items listed below. Records shall be maintained for five (5) years and be available for inspection upon request by representatives of the DNR.

1. The owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall conduct an initial performance test as required under Sec. 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in 40 CFR 313. *40 CFR 313(b)*

2. The owner or operator shall determine the monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G) using the procedures in 40 CFR 60.313(c). These procedures are included in this Title V Operating Permit as Appendix A. *Note: Each monthly calculation is considered a performance test. 40 CFR 313(c)*

5. Following the initial performance test, the owner or operator of a 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture affected facility shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the limit specified under Sec. 60.312. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. *40 CFR 315(b)*

6. Each owner or operator subject to the provisions of 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture shall maintain at the source, for a period of at least 5 years, records of all data and calculations used to determine VOC emissions from each affected facility. *40 CFR 60.135(d)*

   Authority for Requirement: 40 CFR 60 Subpart EE - Surface Coating of Metal Furniture
   567 IAC 23.1(2)"gg"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Spray Booth Filter Agency Operation & Maintenance Plan

Weekly

Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and be available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP4

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU4
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU4
Emission Unit Description: Washer Stage 1
Raw Material/Fuel: Wash Solution
Rated Capacity: 1,942 gallons/minute

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)
1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)
The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP5

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU4
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU4
Emission Unit Description: Washer Stage 3
Raw Material/Fuel: Wash Solution
Rated Capacity: 1,942 gallons/minute

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)
1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)
The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP6

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU3
Emission Unit Description: Dry Off/Cure Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 6.6 lb./MMBtu

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP7

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU3
Emission Unit Description: Dry Off/Cure Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 6.6 lb./MMBtu

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP8

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU3
Emission Unit Description: Dry Off/Cure Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 6.6 lb./MMBtu

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP9

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU3
Emission Unit Description: Dry Off/Cure Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 6.6 lb./MMBtu

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP10

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU8
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU8
Emission Unit Description: Flash Tunnel
Raw Material/Fuel: Painted Parts
Rated Capacity: 5,600 scfm Air Flow

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture.

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)

1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)

The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction permit is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CFS3EP11

Associated Equipment

Associated Emission Unit ID Numbers: CFS3EU7
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CFS3EU7
Emission Unit Description: Paint Room
Raw Material/Fuel: Paint
Rated Capacity: 76,375 gallons/year

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

With the exception(s) listed below, this point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Exception(s)
1. This point was constructed without a construction permit. For this point to come into compliance, a construction permit is required.

Condition(s)
The permittee applied for a construction permit for this point on June 27, 2003. This point will be in compliance at the time the construction is issued.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CPCEP1

Associated Equipment

Associated Emission Unit ID Numbers: CPCEU1
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CPCEU1
Emission Unit Description: Component Powder Coat Cure Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.0012 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 99-A-741
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 99-A-741
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 99-A-741
567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:
The unit is limited to operating on natural gas only.

Authority for Requirement: Iowa DNR Construction Permit 99-A-741

Reporting & Record keeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- Maintain a record of the type of fuel used.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 38
Stack Diameter (inches): 9
Stack Exhaust Flow Rate (scfm): 750
Stack Temperature (^{o}F): 140
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 99-A-741

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CPCEP2

Associated Equipment

Associated Emission Unit ID Numbers: CPCEU2
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CPCEU2
Emission Unit Description: Powder Coat Washer Stage 1
Raw Material/Fuel: Phosphatizer
Rated Capacity: 4,320 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-220

Pollutant: PM_{10}
Emission Limit(s): 0.71 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-220

Pollutant: Particulate Matter
Emission Limit(s): 0.71 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-220

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-220
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 39.8
Stack Diameter (inches): 18
Stack Exhaust Flow Rate (scfm): 1,700
Stack Temperature (^{o}F): 140
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-220

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CPCEP3

Associated Equipment

Associated Emission Unit ID Numbers: CPCEU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: CPCEU3
Emission Unit Description: Powder Coat Washer Stage 3
Raw Material/Fuel: Water
Rated Capacity: 26,400 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-221

Pollutant: PM_{10}
Emission Limit(s): 0.71 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-221

Pollutant: Particulate Matter
Emission Limit(s): 0.71 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-221

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-221
567 IAC 23.3(2)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 39.1
Stack Diameter (inches): 18
Stack Exhaust Flow Rate (scfm): 1,700
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-221

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: Fugitives

Associated Equipment

Associated Emission Unit ID Numbers: See below.
Emissions Control Equipment ID Number: none

Applicable Requirements

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity
CPREP1	CPREU1	Paint Prep & Cleaning Fugitives	Solvent	0.1712 gallons/hr.
CTCAEP1	CTCAEU1	Fugitive Emissions – Top Cleaning Area	Solvent	0.0571 gallons/hr.
CTPFTPEP1	CTPFTPEU1	Fugitive Emissions from Touch Up Paint	Spray Paint	0.0571 gallons/hr.
PMPBEP1	PMPBEU1	Fugitive Emissions from Mx Spray (Panel)	Spray Paint	0.0571 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

No emission limits at this time.

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS:
This unit is subject to 40 CFR 60 Subpart EE – Standards of Performance for Surface Coating of Metal Furniture. Any owner or operator of a metal furniture surface coating operation that uses less than 3,842 liters of coating (as applied) per year and keeps purchase or inventory records or other data necessary to substantiate annual coating usage shall be exempt from all other provisions of 40 CFR 60 Subpart EE. These records shall be maintained at the source for a period of at least 5 years. *40 CFR 60.310(c)*

Authority for Requirement: 40 CFR 60 Subpart EE – Surface Coating of Metal Furniture
567 IAC 23.1(2)"gg"

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CWSDCEP1

Associated Equipment

Associated Emission Unit ID Numbers: CWSDCEU1
Emissions Control Equipment ID Number: WSDCCE1
Emissions Control Equipment Description: Pulse Air Baghouse

Applicable Requirements

Emission Unit vented through this Emission Point: CWSDCEU1
Emission Unit Description: PM/PM_{10} Emissions from Work Surface
Raw Material/Fuel: Particle Board
Rated Capacity: 65,000 scfm air flow rate

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: Iowa DNR Construction Permit 98-A-677
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 98-A-677
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet): 22
Stack Diameter (inches): 56
Stack Exhaust Flow Rate (scfm): 65,000 scfm
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☐ No ☒
Authority for Requirement: Iowa DNR Construction Permit 98-A-677

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>20 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Stack Testing:

Pollutant – Particulate Matter[(1)]
1st Stack Test to be Completed by – November 12, 2005
Test Method – Iowa Compliance Sampling Manual[(2)]
Authority for Requirement – 567 IAC 22.108(3)"b"

[(1)] Representative Testing: Compliance with the particulate matter emission limit for this emission point, CWSDCEP1, may be demonstrated by the stack testing required for EP CWSDCEP2, which is a similar source. However, if the results of the EP CWSDCEP2 stack testing exceed the particulate matter emission limit, then both emission points, EP CWSDCEP1 and EP CWSDCEP2, shall be considered out of compliance with the particulate matter emission limits.

[(2)] Or an approved alternative method.

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Baghouse Agency Operation & Maintenance Plan

Monitoring Guidelines
The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

General
Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly
- See Opacity Monitoring Requirements under "Periodic Monitoring" heading.
- Check and document the baghouse pressure drop. If the pressure drop falls out of the normal operating range, specified by the manufacturer, corrective action will be taken within 8 hours to return the pressure drop to normal.

Maintain a written record of the observation and any action resulting from the inspection.

Monthly
- Check the cleaning sequence of the baghouse.
    - Pulse jet baghouse - check the air delivery system
- Check the hopper functions and performance.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any action resulting from the inspection.

Quarterly
- Thoroughly inspect bags for leaks and wear. (Look for obvious holes or tears in the bags.)

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Bag replacement should be documented by identifying the date, time and location of the bag in relationship to the other bags. The location should be identified on an overhead drawing of the bag layout in the baghouse. Maintain a written record of the inspection and any action resulting from the inspection.

Semiannual

- Inspect every 6 months all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.
- An adequate inventory of spare parts shall be kept.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: CWSDCEP2

Associated Equipment

Associated Emission Unit ID Numbers: CWSDCEU2
Emissions Control Equipment ID Number: WSDCCE2
Emissions Control Equipment Description: Pulse Air Baghouse

Applicable Requirements

Emission Unit vented through this Emission Point: CWSDCEU2
Emission Unit Description: PM/PM_{10} Emissions from Work Surface
Raw Material/Fuel: Particle Board
Rated Capacity: 65,000 air flow rate

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: Iowa DNR Construction Permit 98-A-678
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 98-A-678
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet): 22
Stack Diameter (inches): 56
Stack Exhaust Flow Rate (scfm): 65,000 scfm
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☐ No ☒
Authority for Requirement: Iowa DNR Construction Permit 98-A-678

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>20 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Stack Testing:

Pollutant – Particulate Matter[(1)]
1st Stack Test to be Completed by – November 12, 2005
Test Method – Iowa Compliance Sampling Manual[(2)]
Authority for Requirement – 567 IAC 22.108(3)"b"

[(1)] Representative Testing: Compliance with the particulate matter emission limit for this emission point, CWSDCEP2, may be demonstrated by the stack testing required for EP CWSDCEP1, which is a similar source. However, if the results of the EP CWSDCEP1 stack testing exceed the particulate matter emission limit, then both emission points, EP CWSDCEP1 and EP CWSDCEP2, shall be considered out of compliance with the particulate matter emission limits.

[(2)] Or an approved alternative method.

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Baghouse Agency Operation & Maintenance Plan

Monitoring Guidelines
The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

General
Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly
- See Opacity Monitoring Requirements under "Periodic Monitoring" heading.
- Check and document the baghouse pressure drop. If the pressure drop falls out of the normal operating range, specified by the manufacturer, corrective action will be taken within 8 hours to return the pressure drop to normal.

Maintain a written record of the observation and any action resulting from the inspection.

Monthly
- Check the cleaning sequence of the baghouse.
    - Pulse jet baghouse - check the air delivery system
- Check the hopper functions and performance.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any action resulting from the inspection.

Quarterly
- Thoroughly inspect bags for leaks and wear. (Look for obvious holes or tears in the bags.)

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Bag replacement should be documented by identifying the date, time and location of the bag in relationship to the other bags. The location should be identified on an overhead drawing of the bag layout in the baghouse. Maintain a written record of the inspection and any action resulting from the inspection.

Semiannual

- Inspect every 6 months all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.
- An adequate inventory of spare parts shall be kept.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: ITGEN

Associated Equipment

Associated Emission Unit ID Numbers: ITGEN
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: ITGEN
Emission Unit Description: IT Emergency Generator
Raw Material/Fuel: Fuel Oil
Rated Capacity: 380 hp-hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (20%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 99-A-740
567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 3.29 lb./hr.
Authority for Requirement: Iowa DNR Construction Permit 99-A-740

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb./MMBtu
Authority for Requirement: Iowa DNR Construction Permit 99-A-740
567 IAC 23.3(3)"b"

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 3.2 lb./MMBtu
Authority for Requirement: Iowa DNR Construction Permit 99-A-740

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Hours of operation:

1. The generator is limited to operating a maximum of 500 hours per rolling 12-month period.

Authority for Requirement: Iowa DNR Construction Permit 99-A-740

Process throughput:

1. The facility is limited to using diesel oil #2 as the fuel source for the emergency generator.

Authority for Requirement: Iowa DNR Construction Permit 99-A-740

2. The facility is limited to having a maximum sulfur content in the fuel oil of 0.5 weight percent or less.

Authority for Requirement: Iowa DNR Construction Permit 99-A-740
567 IAC 23.3(3)"b"(1)

Reporting & Record keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record the amount of fuel oil used on a monthly basis. This may be documented with meter readings or fuel bills.
2. Maintain records of the amount of sulfur content in the fuel oil.
3. Record the number of hours of operation each time the generator is used and provide a rolling 12-month total of the hours operated.

Authority for Requirement: Iowa DNR Construction Permit 99-A-740

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 13
Stack Diameter (inches): 6
Stack Exhaust Flow Rate (scfm): 1,200
Stack Temperature (^{o}F): 1,034
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 99-A-740

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: PPCEP1

Associated Equipment

Associated Emission Unit ID Numbers: PPCEU1
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: PPCEU1
Emission Unit Description: Powder Coat Line Curing Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.00162 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 00-A-211
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 00-A-211
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 00-A-211
567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:
The unit is limited to operating on natural gas only.

Authority for Requirement: Iowa DNR Construction Permit 00-A-211

Reporting & Record keeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- Maintain a record of the type of fuel used.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 38
Stack Diameter (inches): 11
Stack Exhaust Flow Rate (scfm): 1,500
Stack Temperature (^{o}F): 400
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 00-A-211

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: PPCEP2

Associated Equipment

Associated Emission Unit ID Numbers: PPCEU2
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: PPCEU2
Emission Unit Description: Powder Coat Washer Stage 1
Raw Material/Fuel: Phosphatizer
Rated Capacity: 42,120 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-222

Pollutant: PM_{10}
Emission Limit(s): 1.5 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-222

Pollutant: Particulate Matter
Emission Limit(s): 1.5 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-222

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-222
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 35.0
Stack Diameter (inches): 24
Stack Exhaust Flow Rate (scfm): 8,700
Stack Temperature (^{o}F): 140
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-222

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: PPCEP3

Associated Equipment

Associated Emission Unit ID Numbers: PPCEU3
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: PPCEU3
Emission Unit Description: Powder Coat Washer Stage 5
Raw Material/Fuel: Water
Rated Capacity: 22,560 gallons/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions[(1)]
[(1)] If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.
Authority for Requirement: Iowa DNR Construction Permit 03-A-223

Pollutant: PM_{10}
Emission Limit(s): 1.5 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-223

Pollutant: Particulate Matter
Emission Limit(s): 1.5 lbs./hr.[(2)]
[(2)] Standard is expressed as the average of 3 runs.
Authority for Requirement: Iowa DNR Construction Permit 03-A-223

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: Iowa DNR Construction Permit 03-A-223
567 IAC 23.3(2)"a"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 35.4
Stack Diameter (inches): 24
Stack Exhaust Flow Rate (scfm): 8,700
Stack Temperature (^{o}F): 70
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 03-A-223

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: PPCEP4

Associated Equipment

Associated Emission Unit ID Numbers: PPCEU4
Emissions Control Equipment ID Number: none

Applicable Requirements

Emission Unit vented through this Emission Point: PPCEU4
Emission Unit Description: Powder Coat Washer Dry Off Tunnel
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.0012 MMcf/hr.

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]

[(1)] Per DNR Air Quality Policy 3-b-08, Opacity Limits, if visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing)

Authority for Requirement: Iowa DNR Construction Permit 00-A-212
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./scf
Authority for Requirement: Iowa DNR Construction Permit 00-A-212
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: Iowa DNR Construction Permit 00-A-212
567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:
The unit is limited to operating on natural gas only.

Authority for Requirement: Iowa DNR Construction Permit 00-A-212

Reporting & Record keeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- Maintain a record of the type of fuel used.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 38
Stack Diameter (inches): 36
Stack Exhaust Flow Rate (scfm): 3,500
Stack Temperature (^{o}F): 130
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 00-A-212

The temperature and flowrate is intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 901 N. 5th St., Kansas City, KS 66101. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the

compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
    a. Form 1.0 "Facility Identification";
    b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
    c. Form 5.0 "Title V annual emissions summary/fee"; and
    d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
    a. Form 1.0 "Facility Identification";
    b. Form 5.0 "Title V annual emissions summary/fee";
    c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information
The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties
The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring
1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

a. Comply with all terms and conditions of this permit specific to each alternative scenario.

b. Maintain a log at the permitted facility of the scenario under which it is operating.

c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the

incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The facility at the time was being properly operated;

c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.

b. The changes do not exceed the emissions allowable under the permit (whether

expressed therein as a rate of emissions or in terms of total emissions);
c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
d. The changes are not subject to any requirement under Title IV of the Act.
e. The changes comply with all applicable requirements.
f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,
ii. The date on which the change will occur,
iii. Any change in emission as a result of that change,
iv. The pollutants emitted subject to the emissions trade
v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that is required to do any of the following:

i. Correct typographical errors
ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

i. Do not violate any applicable requirements

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.

iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

ii. The permittee's suggested draft permit

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions

during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

G19. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 <u>except</u> 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

a. Such applicable requirements are included and are specifically identified in the permit; or

b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:

a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;

b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.
567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.
567 IAC 26.1(1)

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1
909 West Main – Suite 4
Manchester, IA 52057
(563) 927-2640

Field Office 2
P.O. Box 1443
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3
1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4
1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5
401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 725-0268

Field Office 6
1023 West Madison Street
Washington, IA 52353-1623
(319) 653-2135

Polk County Planning & Development
Air Quality Division
5885 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

Linn County Public Health Dept.
Air Pollution Control Division
501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000

V. APPENDIX A. – 40 CFR 63 Subpart RRRR - NESHAP for Surface Coating of Metal Furniture

Subpart RRRR--National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture

The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart RRRR National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture. Excerpts of the applicable Subpart RRR Requirements are shown below:

(Note: Citation numbering is consistent with 40 CFR Part 63. Requirements to which Allsteel Muscatine Component Plant is not subject have been removed. These citations are provided for reference only. If the Subpart RRRR Requirements are modified in the future, Allsteel Muscatine Component Plant is responsible for demonstrating compliance with 40 CFR 63 Subpart RRRR as printed in the Federal Register regardless of whether the citations listed below are modified.)

Sec. 63.4881 Am I subject to this subpart?

(a) Except as provided in paragraph (c) of this section, the source category to which this subpart applies is surface coating of metal furniture.

(1) Surface coating is the application of coatings to a substrate using, for example, spray guns or dip tanks.

(2) Metal furniture means furniture or components of furniture constructed either entirely or partially from metal. Metal furniture includes, but is not limited to, components of the following types of products as well as the products themselves: household, office, institutional, laboratory, hospital, public building, restaurant, barber and beauty shop, and dental furniture; office and store fixtures; partitions; shelving; lockers; lamps and lighting fixtures; and wastebaskets.

(b) You are subject to this subpart if you own or operate a new, reconstructed, or existing affected source as defined in Sec. 63.4882, in the source category defined in paragraph (a) of this section, and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAP). A major source of HAP emissions is any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (Mg) (10 tons) or more per year or any combination of HAP at a rate of 22.68 Mg (25 tons) or more per year.

(c) This subpart does not apply to surface coating that meets any of the criteria of paragraphs (c)(1) through (6) of this section.

(1) Surface coating conducted at an affected source that uses only coatings, thinners, and cleaning materials that contain no organic HAP.

(2) Surface coating of metal components of wood furniture conducted in an operation that is subject to the wood furniture manufacturing NESHAP in subpart JJ of this part.

(3) Surface coating that occurs at research or laboratory facilities or that is part of janitorial, building, and facility maintenance operations.

(4) Surface coating of only small items such as knobs, hinges, or screws that have a wider use beyond metal furniture are not subject to this subpart unless the surface coating occurs at an affected metal furniture source.

(5) Surface coating of metal furniture conducted for the purpose of repairing or maintaining metal furniture used by a major source and not for commerce is not subject to this subpart, unless organic HAP emissions from the surface coating itself are as high as the rates specified in paragraph (b) of this section.

(6) Surface coating of metal furniture performed on-site at installations owned or operated by the Armed Forces of the United States (including the Coast Guard and the National Guard of any State).

Sec. 63.4882 What parts of my plant does this subpart cover?
(a) This subpart applies to each new, reconstructed, and existing affected source.

(b) The affected source is the collection of all of the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of metal furniture:

(1) All coating operations as defined in Sec. 63.4981;
(2) All storage containers and mixing vessels in which coatings, thinners, and cleaning materials are stored or mixed;
(3) All manual and automated equipment and containers and all pumps and piping within the affected source used for conveying coatings, thinners, and cleaning materials; and
(4) All storage containers, all pumps and piping, and all manual and automated equipment and containers within the affected source used for conveying waste materials generated by a coating operation.

(c) An affected source is a new affected source if you commenced its construction after April 24, 2002, and the construction is of a completely new metal furniture surface coating facility where previously no metal furniture surface coating facility had existed.

(d) An affected source is reconstructed if you meet the criteria as defined in Sec. 63.2.

(e) An affected source is existing if it is not new or reconstructed.

Sec. 63.4883 When do I have to comply with this subpart?
The date by which you must comply with this subpart is called the compliance date. The compliance date for each type of affected source is specified in paragraphs (a) through (c) of this section. The compliance date begins the initial compliance period during which you conduct the initial compliance demonstration described in Sec. Sec. 63.4940, 63.4950, and 63.4960.

(a) For a new or reconstructed affected source, the compliance date is the applicable date in paragraph (a)(1) or (2) of this section:

(1) If the initial startup of your new or reconstructed affected source is before May 23, 2003, the compliance date is May 23, 2003.
(2) If the initial startup of your new or reconstructed affected source occurs after May 23, 2003, the compliance date is the date of initial startup of your affected source.

(b) For an existing affected source, the compliance date is the date 3 years after May 23, 2003.

(d) You must meet the notification requirements in Sec. 63.4910 according to the dates specified in that section and in subpart A of this part. Some of the notifications must be submitted before the compliance dates described in paragraphs (a) through (c) of this section.

Sec. 63.4890 What emission limits must I meet?
(a) For a new or reconstructed affected source, you must emit no organic HAP during each compliance period, determined according to the procedures in Sec. 63.4941.

(c) For an existing affected source, you must limit organic HAP emissions to the atmosphere to no more than 0.10 kg organic HAP per liter (0.83 lb/gal) of coating solids used during each compliance period, determined according to the procedures in Sec. 63.4941, Sec. 63.4951, or Sec. 63.4961.

Sec. 63.4891 What are my options for demonstrating compliance with the emission limits?
Note: The facility has indicated that they will demonstrate compliance using the compliant material option.
(a) Compliant material option. Demonstrate that the organic HAP content of each coating used in the coating operation or group of coating operations is less than or equal to the applicable emission rate limit in Sec. 63.4890 and that each thinner and each cleaning material used contains no organic HAP. You must meet all the requirements of Sec. Sec. 63.4940, 63.4941, and 63.4942 to demonstrate compliance with the emission limit using this option.

Sec. 63.4892 What operating limits must I meet?
(a) For any coating operation or group of coating operations for which you use the compliant material option or the emission rate without add-on controls option to demonstrate compliance, you are not required to meet any operating limits.

Sec. 63.4893 What work practice standards must I meet?
(a) For any coating operation or group of coating operations for which you use the compliant material option or the emission rate without add-on controls option to demonstrate compliance, you are not required to meet any work practice standards.
Sec. 63.4900 What are my general requirements for complying with this subpart?
(a) The affected source must be in compliance at all times with the emission limitations specified in Sec. 63.4890.

(b) You must always operate and maintain your affected source, including all air pollution control and monitoring equipment you use for purposes of complying with this subpart, according to the provisions in Sec. 63.6(e)(1)(i).

Sec. 63.4901 What parts of the General Provisions apply to me?
Table 2 (Appendix A) to this subpart shows which parts of the General Provisions in Sec. Sec. 63.1 through 63.15 apply to you.

Sec. 63.4910 What notifications must I submit?
(a) General. You must submit the notifications in Sec. Sec. 63.7(b) and (c), 63.8(f)(4), and 63.9(b) through (e), (h), and (j) that apply to you by the dates specified in those sections, except as provided in paragraphs (b) and (c) of this section.

(b) Initial Notification. You must submit the Initial Notification required by Sec. 63.9(b) for a new or reconstructed affected source no later than 120 days after initial startup or 120 days after May 23, 2003, whichever is later. For an existing affected source, you must submit the Initial Notification no later than 1 year after May 23, 2003.

(c) Notification of Compliance Status. You must submit the Notification of Compliance Status required by Sec. 63.9(h) no later than 30 calendar days following the end of the initial compliance period described in Sec. 63.4940, Sec. 63.4950, or Sec. 63.4960 that applies to your affected source. The Notification of Compliance Status must contain the information specified in paragraphs (c)(1) through (9) of this section and the applicable information specified in Sec. 63.9(h).
(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report. Such certifications must also comply with the requirements of 40 CFR 70.5(d) or 40 CFR 71.5(d).
(3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period described in Sec. 63.4940, Sec. 63.4950, or Sec. 63.4960 that applies to your affected source.
(4) Identification of the compliance option or options specified in Sec. 63.4891 that you used on each coating operation in the affected source during the initial compliance period and that you will use for demonstrating continuous compliance.
(5) Statement of whether or not the affected source achieved the emission limitations for the initial compliance period.
(6) If you had a deviation, include the information in paragraphs (c)(6)(i) and (ii) of this section.
    (i) A description and statement of the cause of the deviation.
    (ii) If you failed to meet the applicable emission limit in Sec. 63.4890, include all the calculations you used to determine compliance. You do not need to submit information provided by material suppliers or manufacturers or test reports.
(7) For each of the data items listed in paragraphs (c)(7)(i) through (iv) of this section that is required by the compliance option(s) you used to demonstrate compliance with the emission limit, include an example of how you determined the value, including calculations and supporting data. Supporting data can include a copy of the information provided by the supplier or manufacturer of the example coating or material or a summary of the results of testing conducted according to Sec. 63.4941(a), (b), or (c). You do not need to submit copies of any test reports.
    (i) Mass fraction of organic HAP for one coating, for one thinner, and for one cleaning material.
    (ii) Volume fraction of coating solids for one coating.
    (iii) Density for one coating, one thinner, and one cleaning material, except that if you use the compliant material option, only the example coating density is required.
    (iv) The amount of waste materials and the mass of organic HAP contained in the waste materials for which you are claiming an allowance in Equation 1 of Sec. 63.4951.
(8) The calculation of the organic HAP emission rate for the compliance option(s) you used, as specified in paragraphs (c)(8)(i) through (iii) of this section.
    (i) For the compliant materials option, provide an example calculation of the organic HAP content for one coating, using Equation 2 of Sec. 63.4941.

Sec. 63.4920 What reports must I submit?

(a) Semiannual compliance reports. You must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a)(1) through (7) of this section. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), such as those detailed in paragraph (a)(2) of this section.

(1) Dates. Unless the Administrator has approved a different schedule for submission of reports under Sec. 63.10(a), you must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section.
    (i) The first semiannual compliance report must cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in Sec. 63940, Sec. 63.4950, or Sec. 63.4960 that applies to your affected source and ends on June 30 or December 31, whichever occurs first following the end of the initial compliance period.

(ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(iv) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting 6-month monitoring reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent semiannual compliance reports according to the dates the permitting authority has established for the 40 CFR part 70 or 40 CFR part 71 6-month monitoring reports instead of according to the dates specified in paragraph (a)(1)(iii) of this section. However, under no circumstances shall the semiannual compliance report be submitted more than 30 days after the end of the semiannual reporting period established in paragraphs (a)(1)(i) and (ii) of this section.

(2) Inclusion with title V report. Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the 6-month monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to this section along with, or as part of, the 6-month monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the semiannual compliance report includes all information required by the part 70 or part 71 6-month monitoring report concerning deviations from the requirements of this subpart as defined in Sec. 63.4981, the submission of the semiannual compliance report shall be deemed to satisfy any obligation to report the same deviation information in the part 70 or part 71 6-month monitoring report. However, in such situations, the 6-month monitoring report must cross-reference the semiannual compliance report, and submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(3) General requirements. The semiannual compliance report must contain the information specified in paragraphs (a)(3)(i) through (v) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to your affected source.

(i) Company name and address.

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report. Such certifications must also comply with the requirements of 40 CFR 70.5(d) or 40 CFR 71.5(d)

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31.

(iv) Identification of the compliance option or options specified in Sec. 63.4891 that you used on each coating operation during the reporting period. If you switched between compliance options during the reporting period, you must report the beginning and ending dates you used each option.

(v) If you used the emission rate without add-on controls or the emission rate with add-on controls compliance option (Sec. 63.4891(b) or (c)), the calculation results for each organic HAP emission rate for each compliance period ending in the 6-month reporting period.

(4) No deviations. If there were no deviations from the emission limits, operating limits, and work practice standards in Sec. Sec. 63.4890, 63.4892, and 63.4893, respectively, that apply to you, the semiannual compliance report must include an affirmative statement that

there were no deviations from the emission limitations, operating limits, or work practice standards in Sec. Sec. 63.4890, 63.4892, and 63.4893 during the reporting period. If there were no deviations from the emission limitations in Sec. 63.4890, the semiannual compliance report must include the affirmative statement that is described in either Sec. 63.4942(c), Sec. 63.4952(c), or Sec. 63.4962(f), as applicable. If you used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in Sec. 63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period as specified in Sec. 63.8(c)(7).

(5) Deviations: compliant material option. If you used the compliant material option, and there was a deviation from the applicable emission limit in Sec. 63.4890, the semiannual compliance report must contain the information in paragraphs (a)(5)(i) through (iv) of this section.

(i) Identification of each coating used that deviated from the emission limit, and of each thinner and cleaning material used that contained organic HAP, and the dates and time periods each was used.

(ii) The calculation of the organic HAP content for each coating identified in paragraph (a)(5)(i) of this section, using Equation 2 of Sec. 63.4941. You do not need to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(iii) The determination of mass fraction of organic HAP for each coating, thinner, and cleaning material identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(iv) A statement of the cause of each deviation.

Sec. 63.4930 What records must I keep?

You must collect and keep records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report.

(b) A current copy of information provided by materials suppliers or manufacturers. This would include records pertaining to the design and manufacturer's specifications for the life of the add-on control equipment. It would also include information such as manufacturer's formulation data for the materials used, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If you conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, you must keep a copy of the complete test report. If you use information provided to you by the manufacturer or supplier of the material that was based on testing, you must keep the summary sheet of results provided to you by the manufacturer or supplier. You are not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.

(1) A record of the coating operations at which you used each compliance option and the time periods (beginning and ending dates and times) you used each option.

(2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of Sec. 63.4941.

(d) A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.

(e) A record of the mass fraction of organic HAP for each coating, thinner, and cleaning material used during each compliance period.

(f) A record of the volume fraction of coating solids for each coating used during each compliance period.

(g) If a determination of density is required by the compliance option(s) you used to demonstrate compliance with the emission limit, a record of the density for each coating used during each compliance period; and, if you use either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each thinner and cleaning material used during each compliance period.

(j) You must keep records of the date, time, and duration of each deviation.

Sec. 63.4931 In what form and for how long must I keep my records?
(a) Your records must be in a form suitable and readily available for expeditious review, according to Sec. 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(b) As specified in Sec. 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to Sec. 63.10(b)(1). You may keep these records off-site for the remaining 3 years. You must keep records on-site pertaining to the design and manufacturer's specifications for operation of add-on control equipment for the life of the equipment.

Sec. 63.4940 By what date must I conduct the initial compliance demonstration?
You must complete the initial compliance demonstration for the initial compliance period according to the requirements in Sec. 63.4941. The initial compliance period begins on the applicable compliance date specified in Sec. 63.4883 and ends on the last day of the first full month following the compliance date. The initial compliance demonstration includes the calculations according to Sec. 63.4941 and supporting documentation showing that, during the initial compliance period, you used no coating with an organic HAP content that exceeded the applicable emission limit in Sec. 63.4890, and you used no thinners or cleaning materials that contained organic HAP.

Sec. 63.4941 How do I demonstrate initial compliance with the emission limitations?
You may use the compliant material option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source to demonstrate compliance with an organic HAP emission limit. You must use either the emission rate without add-on controls option or the emission rate with add-on controls option for any coating operation in the affected source for which you do not use this option. To demonstrate initial compliance using the compliant material option, during the compliance period the coating operation or group of coating operations must use no coating with an organic HAP content that exceeds the applicable emission limit in Sec. 63.4890 and must use no thinner or cleaning material that contains organic HAP as determined according to this section. Any coating operation for which you use the compliant material option is not required to comply

with the operating limits or work practice standards required in Sec. Sec. 63.4892 and 63.4893, respectively. To demonstrate initial compliance with the emission limitations using the compliant material option, you must meet all the requirements of this section for the coating operation or group of coating operations using this option. Use the procedures in this section for each coating, thinner, and cleaning material in the condition it is in when it is received from its manufacturer or supplier and prior to any alteration. You do not need to redetermine the organic HAP content of cleaning materials that are reclaimed and reused onsite provided these materials in their condition as received were demonstrated to comply with the compliant material option.

(a) Determine the mass fraction of organic HAP for each material used. You must determine the mass fraction of organic HAP for each coating, thinner, and cleaning material used during the compliance period by using one of the options in paragraphs (a)(1) through (5) of this section.

(1) Method 311 (appendix A to 40 CFR part 63). You may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when performing a Method 311 test.

(i) Count each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, you do not have to count it. Express the mass fraction of each organic HAP you count as a value truncated to four places after the decimal point (for example, 0.3791).

(ii) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (for example, 0.763).

(2) Method 24 (appendix A to 40 CFR part 60). For coatings, you may use Method 24 to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP.

(3) Alternative method. You may use an alternative test method for determining the mass fraction of organic HAP once the Administrator has approved it. You must follow the procedure in Sec. 63.7(f) to submit an alternative test method for approval.

(4) Information from the supplier or manufacturer of the material. You may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (3) of this section, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, you do not have to count it. If there is a disagreement between such information and results of a test conducted according to paragraphs (a)(1) through (3) of this section, then the test method results will take precedence.

(5) Solvent blends. Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, you may use the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to this subpart. If you use the tables, you must use the values in Table 3 for all solvent blends that match Table 3 entries, and you may only use Table 4 if the solvent blends in the materials you use do not match any of the solvent blends in Table 3, and you only know whether the blend is aliphatic or aromatic. However, if the results of a Method 311 test indicate higher

values than those listed on Table 3 or 4 of this subpart, the Method 311 results will take precedence.

(b) Determine the volume fraction of coating solids for each coating. You must determine the volume fraction of coating solids (liters of coating solids per liter of coating) for each coating used during the compliance period by a test or by information provided by the supplier or the manufacturer of the material, as specified in paragraphs (b)(1), (2), and (3) of this section. If test results obtained according to paragraph (b)(1) of this section do not agree with the information obtained under paragraph (b)(2) or (3) of this section, the test results will take precedence.

(1) Test results. You may use ASTM Method D2697-86 (Reapproved 1998), ``Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings" (incorporated by reference, see Sec. 63.14), or D6093-97, ``Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer" (incorporated by reference, see Sec. 63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids. Alternatively, you may use another test method once you obtain approval from the Administrator according to the requirements of Sec. 63.7(f).

(2) Information from the supplier or manufacturer of the material. You may obtain the volume fraction of coating solids for each coating from the supplier or manufacturer.

(3) Calculation of volume fraction of coating solids. If the volume fraction of coating solids cannot be determined using the options in paragraphs (b)(1) and (2) of this section, you must determine it using Equation 1 of this section:

$$V_s = 1 - \frac{M_{volatiles}}{D_{avg}} \qquad \text{(Eq. 1)}$$

Where:

V_s = Volume fraction of coating solids, liters coating solids per liter coating.

$M_{volatiles}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in appendix A of 40 CFR part 60, grams volatile matter per liter coating.

D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475-90, information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475-90 test results and other information sources, the test results will take precedence.

(c) Determine the density of each coating. You must determine the density of each coating used during the compliance period from test results using ASTM Method D1475-90 or information from the supplier or manufacturer of the material. If there is disagreement between ASTM Method D1475-90 test results and the supplier's or manufacturer's information, the test results will take precedence.

(d) Calculate the organic HAP content of each coating. Calculate the organic HAP content, kg organic HAP per liter coating solids, of each coating used during the compliance period, using Equation 2 of this section, except that if the mass fraction of organic HAP in the coating equals zero, then the organic HAP content also equals zero and you are not required to use Equation 2 to calculate the organic HAP content.

$$H_c = \frac{(D_c)(W_c)}{V_s} \qquad \text{(Eq. 2)}$$

Where:
H_c = Organic HAP content of the coating, kg organic HAP per liter coating solids.
Dc = Density of coating, kg coating per liter coating, determined according to paragraph (c) of this section.
W_c = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, determined according to paragraph (a) of this section.
V_s = Volume fraction of coating solids, liter coating solids per liter coating, determined according to paragraph (b) of this section.

(e) Compliance demonstration. The calculated organic HAP content for each coating used during the initial compliance period must be less than or equal to the applicable emission limit in Sec. 63.4890 and each thinner and cleaning material used during the initial compliance period must contain no organic HAP, determined according to paragraph (a) of this section. You must keep all records required by Sec. Sec. 63.4930 and 63.4931. As part of the Notification of Compliance Status required in Sec. 63.4910(c) and the semiannual compliance reports required in Sec. 63.4920, you must identify each coating operation and group of coating operations for which you used the compliant material option. If there were no deviations from the emission limit, include a statement that each was in compliance with the emission limitations during the initial compliance period because it used no coatings for which the organic HAP content exceeded the applicable emission limit in Sec. 63.4890, and it used no thinners or cleaning materials that contained organic HAP.

Sec. 63.4942 How do I demonstrate continuous compliance with the emission limitations?
(a) Following the initial compliance period, you must complete a compliance demonstration according to the requirements in Sec. 63.4941(e) for each subsequent compliance period. Each month following the initial compliance period described in Sec. 63.4940 is a compliance period.

(b) If you choose to comply with the emission limitations by using the compliant material option, the use of any coating, thinner, or cleaning material that does not meet the criteria specified in paragraph (a) of this section is a deviation from the emission limitations that must be reported as specified in Sec. Sec. 63.4910(c)(6) and 63.4920(a)(5).

(c) As part of each semiannual compliance report required by Sec. 63.4920, you must identify the coating operation or group of coating operations for which you used the compliant material option. If there were no deviations from the emission limits in Sec. 63.4890, submit an affirmative statement that the coating operation or group of coating operations was in compliance with the emission limitations during the reporting period because you used no coating for which the organic HAP content exceeded the applicable emission limit in Sec. 63.4890, and you used no thinner or cleaning material that contained organic HAP.

(d) You must maintain records as specified in Sec. Sec. 63.4930 and 63.4931.

TABLE 2 TO SUBPART RRRR OF PART 63.--APPLICABILITY OF GENERAL PROVISIONS TO SUBPART RRRR

You must comply with the applicable General Provisions requirements according to the following table:

Citation	Subject	Applicable to subpart	Explanation
Sec. 63.1(a)(1)-(14)	General Applicability	Yes.	
Sec. 63.1(b)(1)-(3)	Initial Applicability Determination	Yes.	Applicability to subpart RRRR is also specified in Sec. 63.4881.
Sec. 63.1(c)(1)	Applicability After Standard Established.	Yes.	
Sec. 63.1(c)(2)-(3)	Applicability of Permit Permit Program for Area Sources.	No.	Area sources are not subject to subpart RRRR.
Sec. 63.1(c)(4)-(5)	Extensions and Notifications.	Yes.	
Sec. 63.1(e)	Applicability of Permit Program Before Relevant Standard is Set.	Yes.	
Sec. 63.2	Definitions	Yes.	Additional definitions are specified in Sec. 63.4981.
Sec. 63.3(a)-(c)	Units and Abbreviations.	Yes.	
Sec. 63.4(a)(1)-(5)	Prohibited Activities	Yes.	
Sec. 63.4(b)-(c)	Circumvention/Severability	Yes.	
Sec. 63.5(a)	Construction/Reconstruction	Yes.	
Sec. 63.5(b)(1)-(6)	Requirements for Existing, Newly Constructed, and Reconstructed Sources.	Yes.	
Sec. 63.5(d)	Application for Approval of Construction/Reconstruction.	Yes.	
Sec. 63.5(e)	Approval of Construction/ Reconstruction.	Yes.	
Sec. 63.5(f)	Approval of Construction/ Reconstruction Based on Prior State Review.	Yes.	
Sec. 63.6(a)	Compliance With Standards and Maintenance Requirements--Applicability.	Yes.	
Sec. 63.6(b)(1)-(7)	Compliance Dates for New and Reconstructed Sources.	Yes.	Section 63.4883 specifies the compliance dates.
Sec. 63.6(c)(1)-(5)	Compliance Dates for Existing Sources.	Yes.	Section 63.4883 specifies the compliance dates.
Sec. 63.6(e)(1)-(2)	Operation and Maintenance	Yes.	
Sec. 63.6(e)(3)	SSMP	Yes.	Only sources using an add-on control device to comply with the standard must complete SSMP.
Sec. 63.6(f)(1)	Compliance Except During Startup, Shutdown, and Malfunction.	Yes.	Applies only to sources using an add-on control device to comply with the standards.
Sec. 63.6(f)(2)-(3)	Methods for Determining Compliance.	Yes.	
Sec. 63.6(g)(1)-(3)	Use of Alternative Standards	Yes.	

Citation	Subject	Applicable to subpart	Explanation
Sec. 63.6(h).....	Compliance With Opacity/Visible Emission Standards.	No.....	Subpart RRRR does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
Sec. 63.6(i)(1)-(16).....	Extension of Compliance.	Yes.	
Sec. 63.6(j).....	Presidential Compliance Exemption.	Yes.	
Sec. 63.7(a)(1).....	Performance Test Requirements—Applicability	Yes.....	Applies to all affected sources using an add-on control device to comply with the standards. Additional requirements for performance testing Sec. 63.4963, 63.4964, and 63.4965.
Sec. 63.7(a)(2).....	Performance Test Requirements—Dates.	Yes.....	Applies only to performance tests for capture system and control device efficiency at source using these to comply with the standards. Section 63.4960 specifies the schedule for performance test requirements that are earlier than those specified in Sec. 63.7(a)(2).
Sec. 63.7(a)(3).....	Performance Tests Required by the Administrator.	Yes.	
Sec. 63.7(b)-(e).....	Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary Safe Testing, Conditions During Test.	Yes.....	Applies only to performance test for capture system and add-on control device efficiency at sources using these to comply with the standards.
Sec. 63.7(f).....	Performance Test Requirements--Use of Alternative Test Method.	Yes.....	Applies to all test methods except those used to determine capture system efficiency.
Sec. 63.7(g)-(h).....	Performance Test Requirements--Data Analysis, Recordkeeping, Reporting, Waiver of Test.	Yes.....	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the the standards.
Sec. 63.8(a)(1)-(3).....	Monitoring Requirements—Applicability.	Yes.....	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for monitoring are specified in Sec. 63.4967.
Sec. 63.8(a)(4).....	Additional Monitoring Requirements.	No.....	Subpart RRRR does not have monitoring requirements for flares.
Sec. 63.8(b).....	Conduct of Monitoring	Yes.	
Sec. 63.8(c)(1)-(3).....	Continuous Monitoring System (CMS) Operation and Maintenance.	Yes.....	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for CMS operations and maintenance are specified in Sec. 63.4967.
Sec. 63.8(c)(4).....	CMS.....	No.....	Section 63.4967 specifies the requirements for the operation of CMS for capture systems and and add-on control devices at sources using these to comply.

Citation	Subject	Applicable to subpart	Explanation
Sec. 63.8(c)(5)	COMS	No	Subpart RRRR does not have opacity or visible emissions standards.
Sec. 63.8(c)(6)	CMS Requirements	No	Section 63.4967 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
Sec. 63.8(c)(7)	COS Out-of-Control Periods.	Yes.	
Sec. 63.8(c)(8)	CMS Out-of-Control Periods Reporting.	No	Section 63.4920 requires reporting of CMS out-of control periods.
Sec. 63.8(d)-(e)	Quality Control Program and CMS Performance Evaluation.	No	Subpart RRRR does not require the use of of continuous emissions monitoring systems.
Sec. 63.8(f)(1)-(5)	Use of an Alternative Monitoring Method.	Yes.	
Sec. 63.8(f)(6)	Alternative to Relative Accuracy Test.	No	Subpart RRRR does not require the use of continuous emissions monitoring systems.
Sec. 63.8(g)(1)-(5)	Data Reduction	No	Sections 63.4966 and 63.4967 specify monitoring data reduction.
Sec. 63.9(a)-(d)	Notification Requirements.	Yes.	
Sec. 63.9(e)	Notification of Performance Test.	Yes	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standards.
Sec. 63.9(f)	Notification of Visible Emissions/ Opacity Test.	No	Subpart RRRR does not have opacity or visible emission standards.
Sec. 63.9(g)(1)-(3)	Additional Notifications When Using CMS.	No	Subpart RRRR does not require the use of of continuous emissions monitoring systems.
Sec. 63.9(h)	Notification of Compliance Status.	Yes	Section 63.4910 specifies the dates for submitting the notification of compliance status.
Sec. 63.9(i)	Adjustment of Submittal Deadlines.	Yes.	
Sec. 63.9(j)	Change in Previous Information.	Yes.	
Sec. 63.10(a)	Recordkeeping/ Reporting— Applicability and General Information.	Yes.	
Sec. 63.10(b)(1)	General Recordkeeping Requirements.	Yes	Additional requirements are specified in Sec. 63.4930 and 63.4931.
Sec. 63.10(b)(2)(i)-(v)	Recordkeeping Relevant to Startup, Malfunction Periods and CMS.	Yes	Requirements for Startup, Shutdown, and Malfunction Periods only apply to add-on control devices used to comply with the standards.
Sec. 63.10(b)(2)(vi)-(xi)		Yes.	
Sec. 63.10(b)(2)(xii)	Records	Yes.	
Sec. 63.10(b)(2)(xiii)		No	Subpart RRRR does not require the use of Continuous emissions monitoring systems.
Sec. 63.10(b)(2)(xiv)		Yes.	

Citation	Subject	Applicable to subpart	Explanation
Sec. 63.10(b)(3).....	Recordkeeping Requirements for Applicability Determinations.	Yes.	
Sec. 63.10(c)(1)-(6)....	Additional Recordkeeping Requirements for Sources with CMS.	Yes.	
Sec. 63.10(c)(7)-(8).....		No.....	The same records are required in Sec. 63.4920(a)(7).
Sec. 63.10(c)(9)-(15).....		Yes.	
Sec. 63.10(d)(1).....General Reporting Requirements		Yes.....	Additional requirements are specified in Sec. 63.4920.
Sec. 63.10(d)(2).....Report of Performance Test Results.		Yes.....	Additional requirements are specified in Sec. 63.4920(b).
Sec. 63.10(d)(3).....	Reporting Opacity or Visible Emissions Observations.	No.....	Subpart RRRR does not require opacity or visible emissions observations.
Sec. 63.10(d)(4).....	Progress Reports for Sources With Compliance Extensions.	Yes.	
Sec. 63.10(d)(5).....	Startup, Shutdown, and Malfunction Reports.	Yes.....	Applies only to add-on control devices at sources using these to comply with the standards.
Sec. 63.10(e)(1)-(2).....Additional CMS Reports.		No.....	Subpart RRRR does not require the use of continuous emissions monitoring systems.
Sec. 63.10(e)(3).....Excess Emissions/CMS Performance Reports.		No.....	Section 63.4920(b) specifies the contents of periodic compliance reports.
Sec. 63.10(e)(4).....COMS Data Reports....		No.....	Subpart RRRR does not specify requirements for opacity or COMS.
Sec. 63.10(f).....Recordkeeping/ Reporting Waiver.		Yes.	
Sec. 63.11.....Control Device Requirements/Flares.		No.....	Subpart RRRR does not specify use of flares for compliance.
Sec. 63.12.....State Authority and Delegations.		Yes	
Sec. 63.13.....Addresses.....		Yes.	
Sec. 63.14.....Incorporation by Reference.		Yes.	
Sec. 63.15..... Availability of Information/ Confidentiality.		Yes.	

TABLE 3 TO SUBPART RRRR OF PART 63. DEFAULT ORGANIC HAP MASS FRACTION FOR SOLVENTS AND SOLVENT BLENDS

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data:

Solvent/Solvent blend	CAS. No.	Average Organic HAP Mass Fraction	Typical Organic HAP, Percent by Mass
1. Toluene	108-88-3	1.0	Toluene
2. Xylene(s)	1330-20-7	1.0	Xylenes, ethylbenzene
3. Hexane	110-54-3	0.5	n-hexane
4. n-Hexane	110-54-3	1.0	n-hexane
5. Ethylbenzene	100-41-4	1.0	Ethylbenzene
6. Aliphatic 140	……..	0	None
7. Aromatic 100	……..	0.02	1% xylene, 1% cumene
8. Aromatic 150	……..	0.09	Naphthalene
9. Aromatic naphtha	64742-95-6	0.02	1% xylene, 1% cumene
10. Aromatic solvent	64742-94-5	0.1	Naphthalene
11. Exempt mineral spirits	8032-32-4	0	None
12. Ligroines (VM & P)	8032-32-4	0	None
13. Lactol spirits	64742-89-6	0.15	Toluene
14. Low aromatic white spirit	64742-82-1	0	None
15. Mineral spirits	64742-88-7	0.01	Xylenes
16. Hydrotreated naphtha	64742-48-9	0	None
17. Hydrotreated light distillate	64742-47-8	0.001	Toluene
18. Stoddard solvent	8052-41-3	0.01	Xylenes
19. Super high- flash naphtha	64742-95-6	0.05	Xylenes
20. Varsol® solvent	8052-49-3	0.01	0.5% xylenes, 0.5% ethyl benzene
21. VM & P naphtha	64742-89-8	0.06	3% toluene, 3% xylene
22. Petroleum distillate mixture	68477-31-6	0.08	4% naphthalene, 4% biphenyl

TABLE 4 TO SUBPART RRRR OF PART 63. DEFAULT ORGANIC HAP MASS FRACTION FOR PETROLEUM SOLVENT GROUPS[A]

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data:

Solvent Type	Average Organic HAP Mass Fraction	Typical Organic HAP, Percent by Mass
Aliphatic[b]	0.03	1% Xylene, 1% Toluene, and 1% Ethylbenzene
Aromatic[c]	0.06	4% Xylene, 1% Toluene, and 1% Ethylbenzene

[a] Use this table only if the solvent blend does not match any of the solvent blends in Table 3 to this subpart and you only know whether the blend is aliphatic or aromatic.

[b] e.g., Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naphtha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.

[c] e.g., Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.

VI. Appendix B: DNR Air Quality Policy 3-b-08, Opacity Limits

IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

POLICY/PROCEDURE STATEMENT

TOPIC: Opacity Limits

Policy Procedure Number: 3-b-08 **Replaces Number: None**

Date: **Effective Date:** November 12, 1998

Preparer: David Phelps **Reviewer:**

Approval: **Bureau Chief: Peter Hamlin** **Date:** 11/12/98

Division Administrator: Allan Stokes **Date:** 11/12/98

Applicable Code of Iowa or Iowa Administrative Code Rule: 23.3(2)d

"No person shall allow, cause or permit the emission of visible air contaminants into the atmosphere from any equipment, internal combustion engine, premise fire, open fire or stack, equal to or in excess of 40 percent opacity or that level specified in a construction permit, except as provided below and in 567-Chapter 24."

REASON OR BACKGROUND

The default opacity limit allowed by regulation is 40%. This limit was established with the original regulations in 1970. It is generally accepted that opacity greater than 40% was evidence of a mass emission standard exceedence. More recently, there have been requests from facilities for limits much lower than that allowed by the regulations, in some cases less than 0.01 gr/scf to which a 40% opacity limit does not correspond. Since opacity is used as an indicator of the particulate emission rate, listing an indicated potential problem opacity that is more in line with the mass emission rate is useful. In order to have the authority to set limits lower than 40%, subrule 23.3(2)d was changed. This change allows the department the ability to set opacity limits at a level that more closely corresponds to what would be observed by the source when operating in compliance with its mass emission rate.

Except in the case where a specific opacity limit is established by rule, it has been the general policy of the Department not to take action on opacity limits directly. Rather, if it is felt that a violation of the mass emission rate exists that is not attributable to some abnormal event, a stack test would be required to verify compliance. However, the Department reserves the right to use the results of formal opacity readings as evidence of an exceedence.

DETAILS

It shall be the policy of the Department to list the default opacity as a permit condition and in addition an indicator opacity may be listed.

For ease of proving continual compliance a source may request a 'no visible emissions' opacity limit which allows proof of compliance without having a certified opacity reading taken. In this case any visible emissions would be an exceedence.

The IDNR permit writer may list an opacity that will be a indicator of possible mass emission rate exceedence. If the permitee wishes, the recommended indicator opacity may be changed by demonstrating compliance with the mass emission rate during a stack test while emitting the new desired indicator opacity. If the tested mass emission rate is less than the permitted emission rate, then the desired indicator opacity may be set at a proportionally higher level than observed during the stack test.

If an opacity measurement, taken in accordance with an approved reference method for opacity, (generally USEPA Method 9 or 22) exceeds the indicator opacity then the facility will promptly investigate the source and make corrections. However, if after corrections are made the opacity continues to exceed the indicator opacity the Department may require additional proof to demonstrate compliance with the mass emissions limits.

Recommended indicator opacities shall be:

Grain Loading gr./scf	Recommended Indicator Opacity
<0.01 gr./scf	non specified in permit *
0.01 to 0.06 gr./scf	10% Opacity
0.061 to 0.08 gr./scf	20% Opacity
0.081 to 0.1 gr./scf	25% Opacity

* A line is added to the permit that states: "If visible emissions are observed other that start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard."

If a source is a batch process the indicator opacity shall be based on the table above, but the opacity averaging period, for comparison to the indicator opacity, shall be the entire batch cycle. For purposes of comparison to the indicator opacity readings shall be taken during the entire cycle and averaged.

Sources are also given the opportunity to set source specific limits to be coordinated with the initial compliance test. These may then be incorporated into the permit.

In all cases an exceedence of the indicator opacity will require the permitee to file an "indicator opacity exceedence report" to the IDNR regional office. The reporting requirements shall be:

Oral report of excess indicator opacity. An incident of excess indicator opacity (other than an incident of excess indicator opacity during a period of startup, shutdown, or cleaning) shall be reported to the appropriate regional office of the department within eight hours of, or at the start of the first working day following the onset of the of the incident. The reporting exemption for an incident of excess indicator opacity during startup and shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in subrule 25.1(6).

An oral report of excess indicator opacity is not required for a source with operational continuous monitoring equipment (as specified in subrule 25.1(1) if the incident of excess indicator opacity continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity.

The oral report may be made in person or by telephone and shall include as a minimum the following:

a) The identity of the equipment or source operation form which the excess indicator opacity originated and the associated stack or emission point.
b) The estimated quantity of the excess indicator opacity.
c) The time and expected duration of the excess indicator opacity.
d) The cause of the excess indicator opacity.
e) The steps being taken to remedy the excess indicator opacity.
f) The steps being taken to limit the excess indicator opacity in the interim period.

Written report of excess indicator opacity. A written report of an incident of excess indicator opacity shall be submitted as a follow-up to all required oral reports to the department within seven (7) days of the onset of the upset condition, and shall include as a minimum the following:

a) The identity of the equipment or source operation point from which the excess emission originate and the associated stack or emission point.
b) The estimated quantity of the excess indicator opacity.
c) The time and duration of the excess indicator opacity.
d) The cause of the excess indicator opacity.
e) The steps that were taken to remedy and to prevent the recurrence of the incident of excess indicator opacity.
f) The steps that were taken to limit the excess indicator opacity.
g) If the owner claims that the excess indicator opacity was due to malfunction, documentation to support this claim.

Exceptions to this policy:

1) In the case where a facility has an opacity limit established in an existing permit, no change will be made to that permit limit unless the permit is being modified for other purposes.
2) If the facility has a continuous opacity monitor, this policy shall not apply.
3) This policy shall not apply to opacity limits established in Prevention of Significant Deterioration (PSD) permits or permits that were established for maintenance plans for nonattainment areas.
4) This policy shall not apply where an opacity limit is established as an indication of hazardous air pollutants.

5) This policy shall not apply where an opacity limit is established by a rule, New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAPS), etc.